

AMPLIFICATION PRIMER PAIRS AND USE THEREOF

Abstract of the Disclosure

Amplification primer pairs comprising an oligonucleotide anchor and primer. The anchor has a nucleic acid chemistry which is not a substrate for reverse transcriptases and DNA polymerases, and a 3'-end which is not capable of priming DNA synthesis. The primer has a nucleic acid chemistry that is a substrate for reverse transcriptases and DNA polymerases. The anchor and the primer each include regions of nucleotide complementarity which are capable of associating with each other to form a stem structure. The stem structure includes a nucleotide sequence which is complementary to a universal primer. One primer pair (reverse pair) is used for first strand synthesis, while the second primer pair (forward pair) is used for second strand synthesis. The universal primers sustain the amplification reaction and produce the majority of the final product.

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